Amendments to the Claims:

The following Listing of Claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently Amended) An A thermally activatable removable adhesive tape comprising:

a film substrate having one or more individual layers, wherein the film substrate has (i) an elastic modulus of at least 7.0×10^8 Pa at a temperature below an activation temperature, said activation temperature ranging from about 25°C to about 100°C, (ii) an elastic modulus of not greater than 5.0×10^8 Pa at a temperature exceeding said activation temperature, and (iii) an elongation at break of at least 150% at a temperature exceeding said activation temperature, the film substrate comprising an aliphatic polyester, a polycaprolactone, or a combination thereof;

an adhesive layer disposed on at least one surface of the film substrate; and a temperature-indicating material disposed within or on the film substrate, wherein the temperature-indicating material experiences a color change when exposed to a color-changing temperature.

2.-3. (Canceled)

- 4. (Currently Amended) The <u>thermally activatable removable</u> adhesive tape of claim 1, wherein the temperature-indicating material comprises a higher fatty acid ester; mercury iodide complexes of cholesterol; bianthrone; cyanine pigments; spirofuran-type compounds; triphenylmethane-type Ca and Mg salts; cobalt; nickel; iron; copper; chromium; manganese; lead; or a combination thereof.
- 5. (Currently Amended) The <u>thermally activatable removable</u> adhesive tape of claim 1, wherein said color-changing temperature is equal to or greater than the activation temperature.
- 6. (Currently Amended) The <u>thermally activatable removable</u> adhesive tape of claim 1, wherein said adhesive layer comprises an acrylic type or rubber type adhesive.

7. (Withdrawn) A method of removing the adhesive tape of claim 1 from a bonded article, said method comprising the steps of:

heating the adhesive tape to a temperature greater than the activation temperature; and

if the temperature-indicating material changes color, pulling the adhesive tape from the bonded article at an angle of up to 35° relative to a bonded surface on the bonded article.

8. (Currently Amended) An A thermally activatable removable adhesive tape comprising:

a film substrate having (i) an elastic modulus of at least 7.0 x 10⁸ Pa at a temperature below an activation temperature, said activation temperature ranging from about 25°C to about 100°C, (ii) an elastic modulus of not greater than 5.0 x 10⁸ Pa at a temperature exceeding said activation temperature, and (iii) an elongation at break of at least 150% at a temperature exceeding said activation temperature, said film substrate comprising an aliphatic polyester, a polycaprolactone, or a combination thereof; and a first adhesive layer disposed on at least one surface of said film substrate.

9. (Canceled)

- 10. (Withdrawn) The adhesive tape of claim 8, wherein said film substrate comprises a polymer or copolymer formed from one or more hydroxycarboxylic acid monomers, said hydroxycarboxylic acid monomers comprising L-lactic acid, D-lactic acid, glycolic acid, 3-hydroxybutyric acid, 4-hydroxybutyric acid, 4-hydroxyvaleric acid, 5-hydroxyvaleric acid, 6-hydroxycaproic acid, or a combination thereof.
- 11. (Withdrawn) The adhesive tape of claim 8, wherein said film substrate comprises a polymer or copolymer formed from L-lactic acid, D-lactic acid, or a combination thereof.

12. (Withdrawn) The adhesive tape of claim 8, wherein said one or more shape memory resins comprise a polyisoprene type resin, a styrene-butadiene copolymer, a polynorbornane type resin, a polyurethane type resin, a fluorine-containing resin, ε-polycaprolactone, a polyamide resin, or a combination thereof.

- 13. (Currently Amended) The <u>thermally activatable removable</u> adhesive tape of claim 8, further comprising a temperature-indicating material, wherein the temperature-indicating material experiences a color change when exposed to a color-changing temperature.
- 14. (Currently Amended) The <u>thermally activatable removable</u> adhesive tape of claim 13, wherein the temperature-indicating material comprises a higher fatty acid ester; mercury iodide complexes of cholesterol; bianthrone; cyanine pigments; spirofuran-type compounds; triphenylmethane-type Ca and Mg salts; cobalt; nickel; iron; copper; chromium; manganese; lead; or a combination thereof.
- 15. (Currently Amended) The <u>thermally activatable removable</u> adhesive tape of claim 8, wherein said first adhesive layer comprises an acrylic type or rubber type adhesive.
- 16.-17. (Canceled)
- 18. (Currently Amended) The <u>thermally activatable removable</u> adhesive tape of claim 8, further comprising a foam layer.
- 19. (Canceled)

20. (Withdrawn) A method of removing the adhesive tape of claim 8 from a bonded article, said method comprising the steps of:

heating the adhesive tape to a temperature greater than the activation temperature; and

pulling the adhesive tape from the bonded article at an angle of up to 35° relative to a bonded surface on the bonded article.

21. (Withdrawn) A method of removing an adhesive tape from a bonded article, said method comprising the steps of:

heating the adhesive tape to a temperature greater than an activation temperature, said activation temperature ranging from about 25°C to about 100°C, said adhesive tape comprising a film substrate having (i) an elastic modulus of at least 7.0 x 10⁸ Pa at a temperature below the activation temperature, (ii) an elastic modulus of not greater than 5.0 x 10⁸ Pa at a temperature exceeding the activation temperature, and (iii) an elongation at break of at least 150% at a temperature exceeding the activation temperature; said adhesive tape further comprising a temperature-indicating material disposed within or on a film substrate, wherein the temperature-indicating material experiences a color change when exposed to a temperature above the activation temperature, said method further comprising the step of:

monitoring the temperature-indicating material; and

if the temperature-indicating material changes color, pulling the adhesive tape from the bonded article at an angle of up to 35° relative to a bonded surface on the bonded article.

22. (Canceled)

23. (Currently Amended) An A thermally activatable removable adhesive tape comprising:

a film substrate having one or more individual layers, wherein the film substrate
has (i) an elastic modulus of at least 7.0 x 10⁸ Pa at a temperature below an activation
temperature, the activation temperature in a range greater than 25°C to less than 75°C,

(ii) an elastic modulus of not greater than 5.0 x 10⁸ Pa at a temperature exceeding the

activation temperature, and (iii) an elongation at break of at least 150% at a temperature exceeding the activation temperature;

an adhesive layer disposed on at least one surface of the film substrate; and a temperature-indicating material disposed within or on the film substrate, wherein the temperature-indicating material experiences a color change when exposed to a color-changing temperature equal to or greater than the activation temperature.

24. (Currently Amended) The <u>thermally activatable removable</u> adhesive tape of claim 23, wherein the temperature-indicating material comprises a higher fatty acid ester; mercury iodide complexes of cholesterol; bianthrone; cyanine pigments; spirofuran-type compounds; triphenylmethane-type Ca and Mg salts; cobalt; nickel; iron; copper; chromium; manganese; lead; or a combination thereof.

25. (Canceled)

26. (Currently Amended) The <u>thermally activatable removable</u> adhesive tape of claim 23, wherein said adhesive layer comprises an acrylic type or rubber type adhesive.

27. (Currently Amended) An A thermally activatable removable adhesive tape comprising:

a film substrate having one or more individual layers, wherein the film substrate has (i) an elastic modulus of at least 7.0×10^8 Pa at a temperature below an activation temperature, the activation temperature ranging from about 25° C to about 100° C, (ii) an elastic modulus of not greater than 5.0×10^8 Pa at a temperature exceeding the activation temperature, and (iii) an elongation at break of at least 150% at a temperature exceeding the activation temperature;

an adhesive layer disposed on at least one surface of the film substrate;

- a temperature-indicating material disposed within or on the film substrate, wherein the temperature-indicating material experiences a color change when exposed to a color-changing temperature; and
- a foam layer disposed on at least one surface of the adhesive layer opposite the surface adjacent to the film substrate.
- 28. (Currently Amended) The <u>thermally activatable removable</u> adhesive tape of claim 27, wherein the temperature-indicating material comprises a higher fatty acid ester; mercury iodide complexes of cholesterol; bianthrone; cyanine pigments; spirofuran-type compounds; triphenylmethane-type Ca and Mg salts; cobalt; nickel; iron; copper; chromium; manganese; lead; or a combination thereof.
- 29. (Currently Amended) The <u>thermally activatable removable</u> adhesive tape of claim 27, wherein said color-changing temperature is equal to or greater than the activation temperature.